



International Association of Aquatic and Marine
Science Libraries and Information Centers

newsletter

Number Fifty-Two
September 1994

FROM THE PRESIDENT....

As my term as President nears an end, I would like to take this opportunity to thank all the members of the Executive Board and the Committees. Often when we attend the annual conference, we don't realize how much work people put into the organization throughout the year to make it a success.

Committees have been working on issues that affect our organization. These committees will be making recommendations at the Annual Business Meeting. In addition the conference and local arrangements committees have been working to make this conference the latest in a series of valuable and informative conferences. As diverse as our membership is, we always find common ground on which to work. The acquisition of knowledge and contacts we develop from our membership in IAMSlic allow us to provide our patrons the best possible service. The conference, the Newsletter, and the Bulletin Board all give us the opportunity to share information and support each other. I urge every member to take part in these forums.

An important issue I would like to address is the increasing problem the Nominating Committee has in identifying members who will agree to run for office. IAMSlic has no paid employees; we are entirely a volunteer organization. Some individuals have volunteered repeatedly and tirelessly year after year, and there are those who might want to be involved but feel they lack the experience or the time to do a good job.

When I first volunteered for a committee, I had no idea of what I needed to do and certainly no idea that I would ever serve twice as President, but absolutely every IAMSlic group I have worked with has been cooperative and supportive. As for the time issue, few of us ever have enough time, but we somehow find the time for important priorities, and I can truly say that all of the time I have spent on IAMSlic activities has paid me back more than double my investment of time.

All in all, my presidency has been a wonderful experience which has helped me become a better librarian. It has also allowed me to develop a circle of valued friends that goes around the world.

My best wishes to Eleanor Uhlinger, our new President. I extend to Eleanor the continuing support of the membership, the committees, and the Executive Board.

I look forward to seeing everyone in Hawaii. Aloha!

- Elizabeth A. Fuseler

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Aloha!
IAMSlic '94

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IAMSLIC assumes no responsibility for the statements and opinions advanced by contributions to IAMSLIC publications. Editorial views do not necessarily represent the official position of the association.

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IAMSLIC LISTSERVER IAMSLIC@UCSD.EDU

The IAMSLIC@UCSD.EDU Conference is an international email conference for discussion of information-related topics in freshwater, marine, and brackishwater sciences. To sign yourself up to the conference, send the following email message to listserv@ucsd.edu:

subscribe <your Internet email address> iamslic

To delete yourself from the conference, send the following email message to listserv@ucsd.edu:

delete <your Internet address> iamslic

If your email address changes, delete yourself using your old address and sign up using your new address.

Send an email message to everyone on the IAMSLIC@UCSD.EDU conference at the address: iamslic@ucsd.edu. This is NOT the address to sign yourself up or signoff; see above.

To receive information about IAMSLIC including a membership application, regional contacts, availability of proceedings and other publication, send the following email message to listserv@ucsd.edu:

faq iamslic

20th ANNUAL IAMS LIC CONFERENCE**October 9-13, 1994****Honolulu, Hawaii****PRE-CONFERENCE WORKSHOP:**

How to do Science Without Knowing How: A Workshop in Marine Science Information. Victoria Welborn, Director of the Science Library, University of California, Santa Cruz.

SPECIAL GUEST SPEAKERS:

Ethnobotany and the Collections of the Bishop Museum. Dr. Isabella Abbott G.P. Wilder Professor of Botany University of Hawaii.

The National Biological Survey and the Role of the Bishop Museum. Dr. Allen Allison Assistant Director for Research and Scholarly Studies Bishop Museum.

The Pacific Tsunami Warning Center. Dr. Michael Blackford, Director Pacific Tsunami Warning Center.

PAPERS:

1993 Fisheries Review Customer Survey: Are we Meeting the needs? Terry Sexson (Bibliographic Information Branch, US National Biological Survey)

Bibliographic Instruction in a Research Setting. Susan Berteaux (Woods Hole Oceanographic Institution, Document Library)

Book Reviews in the Marine Sciences. Jean Crampon (Hancock Library of Biology and Oceanography, University of Southern California)

Building Global Connections to Specimen Collections. Barry Brown (Mansfield Library, University of Montana)

CD-ROM Databases and Fisheries Literature. James Markham (Library, University of California, Santa Barbara. Elizabeth Fuseler, Science and Technology Library, Colorado State University)

The Charles Darwin Research Center. Gayle Davis-Merlen (Charles Darwin Research Center)

Chemical Abstracts: Is it a Tool for Marine Scientists? Carol Drum (Marston Science Library, University of Florida)

Creating a World Wide Web Home Page for an Aquatic Library. Peter Brueggeman (Scripps Institution of Oceanography Library, University of California, San Diego)

The Development of a Technology-Based Prototype for the Branch Libraries of the Future. Roger Kelly (Marine and Atmospheric Sciences Information Center, State University of New York, Stony Brook)

Establishment of a Local Marine Information Network in Papua, New Guinea. Henry Yule (Department of Fisheries and Marine Resources, Papua, New Guinea)

Fin-on Filets: an Overview of Aquaculture Journals and Indexes. (Stephanie Haas, Marston Science Library, University of Florida)

Freshwater Surfing the Internet: Resources Exposed and Annotated for Aquatic Librarians. Paula Wolfe (Library, University of Wyoming) (This paper will be presented by Janet Webster)

The Global Information Network: Realities and Problems for Developing Countries. Florent Diouf (Centre de Recherche Oceanographique, Dakar, Senegal)

I've Been Converted! Allelujah? Kathy Heil (Chesapeake Biological Laboratory, University of Maryland), and Natalie Wiest, Jack K. Williams Library (Texas A&M University at Galveston)

Introduction to Marine Science and Technology/Marine Information Centers in Japan. Tsuzuku Tatsunosuke (Technical Information Services, JAMSTEC)

The Long Island Sound Studies: Where has All the Data Gone? Constance Cooke, Library, University of Connecticut at Avery Point.

Managing Fish Market Information for Industry Use and Economic Research. David S. Liao and Frank F. Chiang (Institute of Fisheries Economics, National Taiwan Ocean University)

Marine and Aquatic Science and Information Centers in Poland: the Present Situation. Henryk Ganowiak, Sea Fisheries Institute, Gdynia, Poland.

Networking of Fisheries Research and Information Centers in India. S. Felix (Center for Animal Health Studies, Tamilnadu Veterinary and Animal Sciences University)

(continued on page 4)

(IAMSLIC '94 continued)

The One Person Library: Suggestions for Building Global Connections. Barbara Butler (Oregon Institute of Marine Biology, University of Oregon)

Options for Searching Cambridge Scientific Abstracts Databases via Emerging Technologies. Jonathan Sears, Managing Editor (Cambridge Scientific Abstracts)

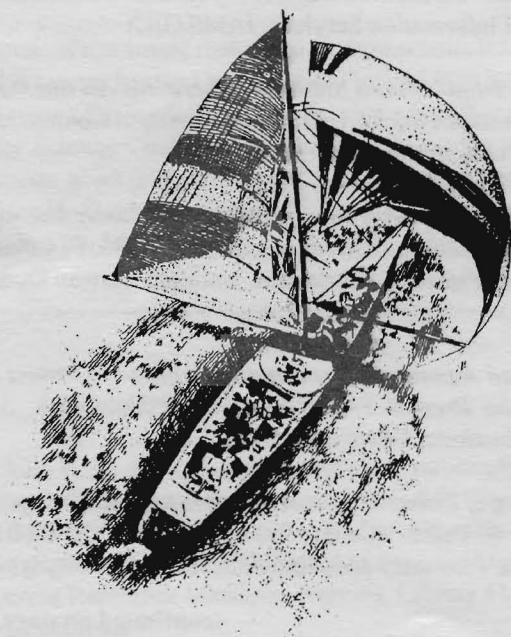
Training Workshop on Aspects of Marine Documentation in the Mediterranean and the Establishment of a Regional Information Network in Malta. Damian Iwueke (Foundation for International Studies, University of Malta)

PANEL & AUDIENCE DISCUSSIONS:

Librarian Participation in the Global Information Superhighway. Joan Parker (Library, California State University Long Beach) and Steve Watkins and Victoria Welborn (Science Library, University of California, Santa Cruz)

GEMIM Issues & Discussion Items. Moderated by Pauline Simpson (Institute of Oceanographic Sciences, Deacon Laboratory Library)

Obtaining Translations and Academic Theses : an International Panel. Moderated by Pamela Olson (Pacific Biological Station, Canada Department of Fisheries and Oceans) □



TIME TO RENEW YOUR IAMSLIC MEMBERSHIP

Enclosed with this newsletter is your IAMSLIC renewal notice. Your dues expire on October 1st unless otherwise indicated on the notice. Please update the information provided and mail it along with your check made out to IAMSLIC before October 1st or bring your notice and check to the annual meeting in Hawaii. Please save the organization money and don't wait for a second notice before renewing. If your membership has already been paid for 94/95, your renewal notice will indicate that your dues expire on 10/1/95. If this is the case, you do not owe any money. However, please mail back the renewal notice with any changes to your address, FAX number, email address, etc. so they are correct for the next edition of the Membership Directory.

Handling the IAMSLIC renewals is a very time consuming task, and I receive no compensation for the many hours I spend dealing with hundreds of pieces of mail each year. There are several things that you can do to make my job easier. Renew on time; this means I don't have to send you a second notice and deal with your requests for issues you missed because you let your membership lapse. Be sure that you make the check out to IAMSLIC and not to me, so I don't have to cash the check and then write my own check to IAMSLIC. My work would be a lot easier if I didn't have to deal with vendors, so I would prefer you dealt with IAMSLIC directly. However, I understand that by maintaining your membership through a vendor you can avoid exchange problems since we require payment in U.S. dollars. If you must renew through a vendor, keep in mind that the renewal notice/invoice is mailed with this newsletter and does NOT get sent to your vendor. You should photocopy the renewal notice/invoice and send one copy to your vendor asking them to pay it. Send the second copy directly to me with any corrections and an indication the vendor you are using. I often get checks without the accompanying renewal notice, so I have to spend hours trying to figure out who the check is from. This is especially true with government agencies. If your organization is cutting the check and the paperwork is likely to get separated, I suggest you do the same thing as I suggested for those renewing through a vendor. Make a copy of the renewal notice/invoice and send one copy directly to me with any changes and any information that will help me identify the check when it arrives.

You can now renew your membership prospectively for up to three years. There is no discount, but should dues go up in the interim, you will not be required to pay the higher membership fee. You also might want to consider this option if you have a hard time getting your currency converted to U.S. dollars. This means you would only have to deal with it every three years.

For those of you who need it, IAMSLIC's Tax Identification Number is 04-2795358. We are a 501 Non-Profit organization. Thanks for your cooperation.

- Joe Wible

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INTERNET & COMPUTER NEWS

CD-ROM

GEB CO CD-ROM

The General Bathymetric Chart of the Oceans (GEB CO) Digital Atlas CD-ROM has (1) bathymetric contours, coastlines and trackline control from the GEB CO Fifth Edition published at a scale of 1:10 million. The GEB CO Fifth Edition was published by the Canadian Hydrographic Service between 1975 and 1982 in 16 Mercator sheets; (2) bathymetric contours and coastlines from the First Edition of the International Bathymetric Chart of the Mediterranean published at a scale of 1:1 million; (3) digital global coastlines from US Defense Mapping Agency's World Vector Shoreline at scales from 1:43 million to 1:250,000; (4) trackline inventory of the digital echo-sounding data held at the International Hydrographic Organization Data Centre for Digital Bathymetry; (5) geographically referenced feature names including the IHO/IOC Gazetteer of Geographical Names of Undersea Features and a specially prepared list of oceanic islands; and, (6) Third Edition of the Echo-Sounding Correction Tables.

The GEB CO Atlas CD-ROM is designed for IBM PC microcomputers with VGA display, CD-ROM player, one megabyte of hard disk space, and 3.5" floppy drive. It is available for 230 pounds or 99 pounds for educational and academic research institutions and to those organizations supplying echo-sounding data routinely to the IHO Data Centre for Digital Bathymetry.

Send payment to: GEB CO Orders, British Oceanographic Data Centre, Proudman Oceanographic Laboratory, Bidston Observatory, Birkenhead, Merseyside, L43 7RA, United Kingdom. Fax 051-652-350. Checks or money orders in pounds sterling drawn on a UK bank and payable to the Natural Environment Research Council. ☐

LISTSERVERS, NEWSGROUPS, FTP

ENVIRONMENT IN LATIN AMERICA NETWORK (ELAN)

Latin America's diverse ecosystems are the site of intense struggles between myriad political and economic groups interested in their use and/or protection. This open discussion group is designed to raise critical issues and provide communication links between researchers, activists, academics and other parties with interest in the region and to promote wide-ranging multidisciplinary discussions on ELAN which bring together a broader group of natural and social scientists and practitioners than have so far addressed issues facing the region. ELAN should also serve as a network for researchers in discussing data sources, contacts, books, and resources on the region. The ELAN listserver was established in July, 1994 by the Environment and Natural Resources Working Group of the Latin American Studies Association.

To subscribe to the list, send a message to:
listserv@csf.colorado.edu

with only the text:
sub elan yourfirstname yourlastname

To post directly to the list, send your message to:
elan@csf.colorado.edu ☐

NATIONAL WETLANDS INVENTORY DIGITAL MAPS

The National Wetlands Inventory digital wetlands map data is now available on Internet. Using anonymous ftp you can connect to NWI's Server at **enterprise.nwi.fws.gov** or **192.189.43.33** and when connected, cd to **dlgdata** and get the **readme.dlg** file. Don't try and get everything at once. There are currently over 13,000 digital map files available. As the new maps are digitized they will be added to the collection. ☐

**Deadling for submitting information
for the December issue
of the IAMS LIC Newsletter is:**

Friday, December 2, 1994

(LISTSERVS con't)**NEW BIODIVERSITY LISTSERV...BIODICEN-L**

BIODICEN-L is a forum for informal, open discussion of information management options and issues for the proposed U.S. National Biodiversity Information Center. Contributions and discussions in this list may help to shape the final proposal for the Center. This list is unmoderated. It may be of interest to those with a general interest in biodiversity information sources and tools. New subscribers from any sector are welcome. Readers can find a straw description of the Center concept in the Smithsonian National Museum of Natural History's gopher, nmnhgoph.si.edu, under Biodiversity Programs.

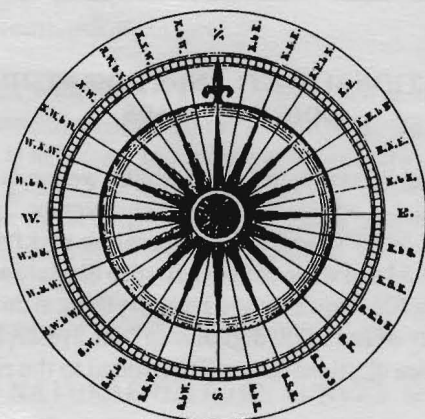
To post to this list, e-mail your message to:
biodicen-l@ucjeps.berkeley.edu

To unsubscribe, send the message:
UNSUBSCRIBE BIODICEN-L
to: **listserv@ucjeps.berkeley.edu**

For a brief list of commands, send the message HELP to:
listserv@ucjeps.berkeley.edu

For direct communication with a real person, e-mail to:
listserv-request@ucjeps.berkeley.edu

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**OCEANOGRAPHYNEWSGROUP**

A Usenet newsgroup for oceanography has been started and can be viewed at:

sci.geo.oceanography

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**USFS ENDANGERED SPECIES PROGRAM
INFORMATION ON LIBRARY SERVER**

The Division of Endangered Species has placed several electronic information items on the U.S. Fish and Wildlife Service's Information Resources Management Library Server. These items include:

— The List of Threatened and Endangered Species entitled, "Endangered and Threatened Wildlife and Plants", current as of June 30, 1994 and to be updated monthly;

— The Plant Notice of Review (entitled, "Plant Taxa for Listing as Endangered or Threatened Species, Notice of Review), as published on September 30, 1993;

— The Endangered Species Act of 1973, as amended through the 100th Congress;

— Species Maps that indicate listed species and proposed species by state and territory, current as of June 1, 1994;

— Species Maps that indicate Category 1 species and candidate species by state and territory, current as of December 31, 1993.

The Library Server can be accessed through email. Address a message to **R9IRMLIB@mail.fws.gov**, type the retrieval command, Send ES Instructions, on the subject line and then send the message. You will receive the complete list of "send" messages (retrieval commands) available on the Library Server for the Endangered Species Program (see below). This list will change over time as more information is added to the Library Server. For example, they will be adding the new Animal Notice of Review once it has been published in the Federal Register.

Following are the retrieval commands through the Library Server for Endangered Species Information:

SEND T&E LIST WP - You will receive a copy of the endangered and threatened wildlife and plants, current as of June 30, 1994 POSTED 7/18/94 (This contains a WordPerfect 5.1 file - 729 Kb)

SEND T&E LIST - You will receive a copy of the endangered and threatened wildlife and plants, current as of June 30, 1994. POSTED 7/18/94 (This contains a ASCII delimited files - 145 Kb)

SEND SPECIES MAPS - You will receive four separate maps showing number of category 1, candidate, proposed, and listed species by state/territory. POSTED 7/18/94 (This contains 4 WordPerfect 5.1 files - 589 Kb)

SEND ESA - You will receive a copy of the Endangered Species Act of 1973, as amended through the 100th Congress (1988). POSTED 7/18/94 (This contains an ASCII file - 140 KB)

SEND PNOR - ou will receive one ASCII delimited file of the Notice of Review for Plant Taxa for Listing as Endangered or Threatened Species, as published on September 30, 1993. POSTED 7/19/94 (This contains an ASCII file - 211 Kb).

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GOPHER

SEA GRANT ABSTRACTS ON INTERNET

Eileen McVey at the Aquaculture Information Center reports that you can access Seagrants through internet at ayeaye.orp.noaa.gov. The path is `guest` with no password and then you type `sgmis`.

Additional Sea Grant information is available through AquaNIC which can be accessed via gopher at thorplus.lib.purdue.edu or via telnet at the same number. Also, Barry Brown (barry@selway.umt.edu) at the Mansfield Library of the University of Montana reports that Sea Grant Documents can be retrieved via a mail program called Almanac. To request information - send email to almanac@oes.orst.edu, leave the subject blank and in the body of the message type the desired command:

For a list of Sea Grant abstracts topics:
send ext seagrant abstracts help

For a list of Sea Grant information:
send ext seagrant index

For information on using Almanac
send guide

Also, check the information supplied by Susan Berteaux, Acting WHOI Librarian, in the *IAMS LIC Newsletter*, No. 50: March 1994, p8-9. ☐

SHIP DATABASE

The Oceanic ship information database contains ship information from research ships and deep water vessels from over 45 countries. In addition, there is cruise schedule information available for US ships and selected ships from Argentina, Australia, Bermuda, Canada, China, France, Germany, Japan, South Africa and the UK.

The ship information listed includes the owner and contact information, length, beam, draft, weight, power, range, endurance, speed, crew accommodations, operating area, and navigational equipment. Photographs and deck layouts are available for some ships, for users with GIF capable graphics terminals

URL: [gopher://diu.cms.udel.edu:70/11/ship_sked](http://diu.cms.udel.edu:70/11/ship_sked) ☐

ARL OFFERS DIRECTORY OF E-JOURNALS & NEWSLETTERS ON INTERNET

The Association of Research Libraries announces the availability by gopher of its innovative Directory of Electronic Journals and Newsletters, listing 440+ titles in the current version. It can be found at:

URL: gopher://arl.cni.org:70/11/scomm/edir

Later this year, WAIS- searching and WWW access will be provided.

Since 1991, ARL has published a printed version of the e-journals and newsletters directory. In 1991, 1992, and 1993, this work was compiled by Michael Strangelove at the University of Ottawa. As of 1994, the compilation of this database moved to the ARL, currently the work of Lisabeth King, Research Assistant, with the contributions of many libraries. The printed book also includes the definitive directory of academic discussions, created and maintained by a team led by Diane Kovacs of Kent State University. This work has been available on the Internet throughout its existence and can be retrieved from the listserv@kentvm or listserv@kentvm.kent.edu. You may also retrieve it via anonymous ftp to [ksuvxa.kent.edu](ftp://ksuvxa.kent.edu).

Now in its fourth edition, the printed Directory of Electronic Journals, Newsletters, and Academic Discussion Lists is an unrivalled source of information for high quality academic resources on the Internet. If you are interested in obtaining it, please message ARL's Office of Scientific and Academic Publishing at osap@cni.org.

We do invite you to offer the ARL e-journal directory through your local or wide area network by pointing your gopher to arl.cni.org. ARL would appreciate knowing you are doing so, to give us a sense of how wide the use of the e-version is. ARL welcomes any comments you may have. Please direct them to Ann Okerson (ann@cni.org), the project coordinator for ARL. The gopher file was created by Dru Mogge, ARL's Electronic Services Coordinator.
MODERATED LIST FOR NEW JOURNAL/NEWSLETTER ANNOUNCEMENTS

Keeping such a resource current is a constant responsibility. To facilitate this, we have also created the list: **NewJour-L@e-math.ams.org**, which publishes announcements of new electronic journals as they become available. To subscribe, send mail to listproc@e-math.ams.org with nothing on the Subject line and the single message **SUBSCRIBE NEWJOUR-L**. ARL welcomes your postings to this moderated list. The postings in turn inform our database.

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Washington, DC
ann@cni.org ☐

World Wide Web

GATEWAY TO ANTARCTICA ON WWW

The International Centre for Antarctic Information and Research is pleased to announce the Gateway to Antarctica. This Web server has been set up to provide the international community with information about Antarctica. The server has been in existence for several months now, and the information content is now significant enough to warrant announcing it publicly. The URL for the Gateway to Antarctica is:

<http://icair.iac.org.nz/>

Links to several other servers related to Antarctica are listed, but the Centre requests that you contact them if you know of any others so they can link them. ☐

AVHRR LAND PATHFINDER WWW

The World Wide Web (WWW) site for the AVHRR Land Pathfinder Data Set is designed to act as a reference source for data set users, as well as those who would like to find out more about the AVHRR Land Pathfinder Data Set. The WWW site also allows users to acquire tools for manipulating the data, as well as a link to the Goddard Space Flight Center's Distributed Active Archive Center where users can browse and order data online and other WWW sites such as the Mission to Planet Earth. The WWW URL for this site is:

<http://xtreme.gsfc.nasa.gov>

The World Wide Web is a system by which multimedia data can be disseminated across the INTERNET. To browse the WWW it is necessary to acquire a browser software such as MOSAIC, CELLO, MACWEB, or LYNX. Comments or requests about the AVHRR Land Pathfinder WWW Pages should be directed to dw137@umail.umd.edu. ☐

ILLINOIS NATURAL HISTORY SURVEY WWW

The Illinois Natural History Survey has a www server at:

<http://www.inhs.uiuc.edu:70/>

It provides information for the following: Center for Aquatic Ecology, Center for Biodiversity, Center for Economic Entomology and the Center for Wildlife Ecology. Survey reports, a bi-monthly publication, weekly information from their education section and many other publications will be made available. Also many survey collections will be available at a later date. ☐

GLOBAL CHANGE MASTER DIRECTORY NOW ON WWW

The New & Improved GCMD homepage on the World Wide Web (WWW) is now available and can be accessed at the address <http://gcmd.gsfc.nasa.gov/>. The development of the homepage and underlying hypertext links is an on-going activity of the GCMD staff, and new information will be added each month. The GCMD project originates from the NASA/GSFC Global Change Data Center, Greenbelt, Maryland.

The latest release of the GCMD homepage on the WWW has replaced the prototype test version and features a variety of information available to the global change community. The GCMD can be queried directly from the GCMD WWW Query Form or by connecting via telnet to the GCMD SGI machine. The International Directory Network (IDN) comprised of NASA/GSFC, ESA, JAPAN, and CANADA is also accessible via telnet. A general overview of the project and staff information is also provided.

The 3 major sections of the homepage are GCMD News, Global Change Data Sources, and GCMD Documentation. ☐

NASA WWW TECHNICAL REPORT SERVER

The NASA Technical Report Server (NTRS) is now available to the public. NTRS is an experimental service that allows simultaneous searching of various NASA abstract and technical report services. The URL is:

<http://techreports.larc.nasa.gov/cgi-bin/NTRS>

Currently, the following report/abstract servers are available via NTRS:

- Ames Research Center - Numerical Aerodynamic Simulation Division (NAS)
- Dryden Flight Research Center
- ICASE - Institute for Computer Applications in Science and Engineering
- Langley Research Center
- RECON database - (NASA STI)
- SCAN - Selected Current Aerospace Notices - (NASA STI)
- STELAR Project - (Goddard Space Flight Center)

"Forms" support is necessary to use NTRS. If you do use NTRS, please fill out the feedback form and share your comments with NASA. ☐

PUBLICATIONS & REVIEWS

RESOURCE GUIDE TO AQUACULTURE INFORMATION

The "Resource Guide to Aquaculture Information"—a 155 page directory of over 500 North American sources on aquaculture has recently been published. It is available without cost through the Aquaculture Information Center. Send a request with a self-addressed label if you want copies. Requests can be taken via e-mail, but due to staff shortages you should send mailing labels to speed distribution. AIC hopes to have an electronic version available on ALF in the near future, AquaNIC and the NAL gopher.

Aquaculture Information Center
National Agricultural Library
10301 Baltimore Boulevard
Beltsville, MD 20705-2351
Tel: 301/504-5558 Fax: 301/504-6409
Internet: aic@nalu.sda.gov

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THE WEATHER MACHINE

The University of Illinois' Weather Machine gopher service is described in "Using the Weather Machine" by MK Ramamurthy and JG Kemp, *Storm the World Weather Magazine*, 1(3):34-39, October 1993. Textual and graphic weather information is delivered by this gopher service and illustrated in this article.

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SERIALS CITED BY MARINE SCIENCES FACULTY

Rosalind Walcott wrote "Serials cited by Marine Sciences Research Center faculty, University at Stony Brook, 1986-1991" in *Science & Technology Libraries* 14(3):15-33, Spring 1994. Walcott analyzed over 5000 citations by this faculty and compiled a list of most-cited serials as well as the total list of 415 serials cited. This article is well worth reading for anyone managing a marine sciences serials collection. The Marine Sciences Research Center has 60 faculty, offers graduate degrees, and has programs of research in biological, chemical, geological and physical oceanography and in coastal zone and fishery management. Walcott reports the percentage of serials cited as 78.8% which is not as high in other sciences, meaning that monographs are an important part of the literature to this group of marine scientists. The top ten serials covered 41.9% of serial citations, the top twenty covered 56.6%, and the top fifty-two serials covered 79.4% of serial citations. 138 titles covered 90% of the serial citations. This study updates Doris Williams' study covering 1984-1986 and published in the 1989 IAMS LIC Proceedings.

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CURRENT TOPICS IN WETLAND BIOGEOCHEMISTRY

The study of wetland biogeochemical functions is increasing and there are a number of journals that disseminate research results on the subject. What is not available however, is a journal that concentrates on comprehensive, in-depth reviews of various biogeochemical processes that are important in understanding how wetland systems function. A new journal, *Current Topics in Wetland Biogeochemistry*, edited by W.H. Patrick, Jr. (ISSN 1076-4674), developed to fill that gap. One issue is anticipated each year and made available in the summer. Volume one is at the printer and should be available within 2 weeks. Subscriptions are \$15.00 (U.S.), postpaid. Please make checks payable to: Wetland Biogeochemistry Institute. Send check and a short note indicating that the check is for the new journal to Karen Gros, Wetland Biogeochemistry Institute, Louisiana State University, Baton Rouge, LA, 70803-7511.

People attending the Third Symposium on Biogeochemistry of Wetlands (June 26-29, Orlando FL) can subscribe and receive copies of the journal at that meeting. (People interested in that meeting should contact K.R. Reddy, Wetland Biogeochemistry Laboratory, Soil and Water Science Department, University of Florida, Gainesville FL 32611, fax 904 392-3399).

Invitations are also solicited at this time. Among the topics solicited are elemental cycling in wetland ecosystems, plant-soil inter-actions in wetlands, chemical and biological behavior of toxic organics and heavy metals, the use of biogeochemical processes to characterize wetlands, the role of wetlands in improving water quality, and the role of wetlands in greenhouse gas emission and global climate change. Contact the Associate Editor, Andy Nyman, at the above address for instructions to authors.

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REEF, FISH AND CORAL BASES

REEFBASE, FishBase, and CoralBase projects were described in three articles on pp10-13 of *Pacific Science Association Information Bulletin*, 45(3-4), Sept/Dec 1993. REEFBASE being developed by ICLARM is designed to provide information on reef area, species composition, coral cover, catch rates and composition of reef fish and invertebrates, recreation, human impacts, management effort, and indigenous knowledge for reefs around the world. Distribution is expected in 1996. FishBase being developed by ICLARM is designed to provide information on nomenclature, ecology, population dynamics, aquaculture, genetics, physiology, and occurrence of fishes around the world. Distribution is expected in late 1994. CoralBase being developed by the Australian Institute of Marine Science is designed to provide information on coral taxonomy and biogeography. Distribution is expected by the end of 1994.

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(Publications & Reviews con't)

WHALE-WATCHING IN THE WEST INDIES: A GUIDE TO CETACEANS AND SITES OF THE REGION.

by Nathan Gricks

The publisher states the following: This is the most complete field guide of whales and dolphins occurring in the West Indies. Part I includes illustrations and text (latin and common names, physical description, behaviour, feeding, range, breeding and status) on all 26 species of whales and dolphins of the region. Part II is a site guide that provides details on boat trips and land-based watching from the Bahamas to the north coast of South America. There are three appendices: a sightings record card, a suggested equipment list, and an overview of first aid for stranded cetaceans. The 40 page, pocket-sized Guide concludes with an illustrated Glossary of specialised terms.

Individual copies may be ordered directly from Island Resources Foundation at \$12.50 each, including postage and handling. Contact the Foundation's Washington Office for details on discounts for volume purchases or for island-based non-governmental organizations.

Island Resources Foundation
1718 "P" Street NW, Suite T-4
Washington, DC 20036
Tel: 202/265-9712 Fax 202/232-0748
INTERNET: iresources@aol.com

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SCIENCE CITATION RANKING FEATURE STUDIED

"The use of electronic ranking to analyze scientific literature used in research at the University of Florida" is an interesting study using Dialog Information Service's RANKing feature on the Science Citation Index database to determine where scientists at an institution published and what they cited. Written by Stephanie Haas and Vernon Kisling, it appeared in *Collection Management* 18(3/4):49-62, 1994.

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DOWNLOADING CD'S

Julia Kelly advises on "Downloading information using bibliographic management software" in *CD-ROM Professional* 7(4):123-128, July/August 1994. Kelly reviews the issues in importing from CD-ROM into database software and specifically discusses Reference Manager, Papyrus, Library Master and Pro-Cite software.

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SCRIPPS INSTITUTION OF OCEANOGRAPHY EXPLORATIONS

Scripps Institution of Oceanography Explorations is a new quarterly publication of Scripps that may be of interest for your library's collection. It covers research activities at Scripps and is written at a level similar to *Oceanus* for the educated layman. One issue each year includes Scripps' annual report. To get your library on the distribution list, contact Kittie Kuhns at kkuhns@ucsd.edu.

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NEW CUBAN FISHERIES PUBLICATION

For anyone interested in Cuban fishery information, a new privately published book has just been issued by Jose A. Suarez Caabro, "*El Fracaso de flacuba; orto y ocase de la flota cubana de pesca*." It sells for \$15.00 and can be ordered either by contacting:

Kay Hale, RSMAS Library
4600 Rickenbacker Causeway
Miami, FL 33149
tel: 305/361-4021 Fax: 305/361-9306
Internet: khale@rsmas.miami.edu

or directly from the author at:

Jose A. Suarez Caabro
P.O. Box 141010
Coral Gables FL 33114-1010
Tel: 305/444-6840.

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HTML

Jeff Barry wrote "HyperText Markup Language (HTML) and the World-Wide Web: raising ASCII text to a new level of usability" in *Public-Access computer Systems Review* 5(5):5-62, 1994. A useful review of writing HTML documents for Web servers, you can retrieve this article via email. Send email message to listserv@uhupvm1.uh.edu: get barry prv5n5 f=3Dmail.

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LYNX

Greg Notess describes Lynx, the non-graphical character-based interface to the World Wide Web, in "Lynx to the World-Wide Web" *ONLINE* 18(4):78-82, July 1994. Lynx takes the lowest common denominator approach (VT100) to tapping into the resources of the Web and only telnet capability is needed.

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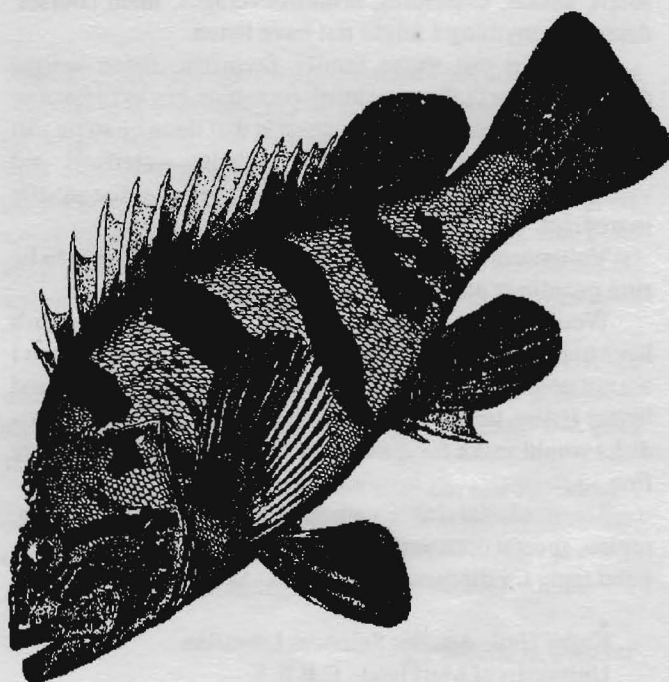
CALIFORNIA SHELF-SLOPE TAXONOMIC ATLAS

From the polychaete e-newsletter, *CHAETOZONE*, is an announcement of the *Taxonomic Atlas of the Santa Maria Basin and Western Santa Barbara Channel*. The Taxonomic Atlas represents a compilation of 14 volumes on the benthic fauna of the continental shelf and upper slope of central California. This study is funded by the U.S. Department of the Interior, Minerals Management Service and has been ongoing since the fall of 1989. Approximately 35 consultants are preparing chapters on the fauna taken as part of surveys and monitoring programs related to offshore oil and gas development. The series is being published by the Santa Barbara Museum of Natural History. Dr. James Blake is the Program Manager and senior editor of the project. Co-editors of various volumes include Drs. Andrew Lissner, Paul Scott, and Brigitte Hilbig.

Volume 1 appeared in October 1993 and includes introductory chapters on the study area including physical descriptions and benthic ecology; chapters on the Platyhelminthes and Nemertea are also included. THE FIRST ANNELID VOLUME, volume 4 [was due out late June '94], is nearly 400 pages in length and includes the Oligochaeta by Christer Erseus, an introductory polychaete chapter by J. Blake with family keys, glossaries, and other overview topics, and 11 chapters dealing with the Phyllodoctidae, Lacydoniidae, Hesionidae, Nereididae, Glyceridae, Goniadidae, Sphaerodoridae, Pilargidae, Nautiliniellidae, Nephtyidae, and Paralacydoniidae. Contributing authors are J. Blake, B. Hilbig, and J. Kudenov. Three additional polychaete volumes (Vols 5 to 7) are in preparation, with 5 and 6 essentially completed and planned for publication later this 1994 summer. Numerous new taxa are included in volumes 5 and 6, including a significant revision of the Cirratulidae of the eastern Pacific by Blake, with about 14 new species. Additional polychaete authors include Gene Ruff, Leslie Harris, and Bill Light.

OTHER VOLUMES in press or nearly ready for release include the sponges (Vol. 2) by Karen Green and Gerry Bakus, the cnidarians (Vol. 3) by Daphne Fautin and Eric Hochberg, two molluscan volumes by Terry Gosliner (opisthobranchs), Jim McLean (shelled gastropods), Paul Scott (bivalves), Eric Hochberg (cephalopods), Amelie Scheltema (aplacophorans), Doug Eernisse (polyplacophorans), and Ron Shimek (scaphopods). The amphipod chapters have been completed and include contributions by Jim Thomas, Les Watling, and Kathy Conlan. Isopods, cumaceans, and tanaidaceans are being produced by Rick Brusca, Buzz Wilson, Les Watling, Masahiro Dojiri, and J. Seig. Other taxa including decapod crustaceans (Joel Martin), mysids (Isabelle Williams), pycnogonids (Don Cadien and Mas Dojiri), Bryozoa (Dorothy and John Soule), echinoderms (Gordon Hendler, Andrew Lissner, and Mary Bergen), Sipuncula (Paula Winchell), ascidians (Gretchen Lambert), Echiura (John Pilger), and Enteropneusta (Keith Woodcock) are also mostly completed.

The Taxonomic Atlas represents the largest on-going biodiversity inventory of a marine fauna in the U.S. The editors hope that this effort will prove a model for future efforts. Biologists interested in SUBSCRIBING to all or part of the Taxonomic Atlas should contact Dr. Paul Scott, Santa Barbara Museum of Natural History, 2559 Puesta del Sol Road, Santa Barbara, California 93105-2936. Tel +1-(805)-682-4711 Ext. 319; Fax +1-(805)-569-3170. E-mail <inverts@sbnmh.rain.org>. □



NEW MARINE MAMMAL FIELD GUIDE

The Food and Agricultural Organization of the United Nations (FAO) has just published a comprehensive guide to all 119 species of marine mammals of the world. The guide, written by T.A. Jefferson, S. Leatherwood, and M.A. Webber, was published in 1993, and is fully-illustrated with body profiles, skull illustrations, and distribution maps for each species, plus diagnostic keys. Copies of the guide are being distributed free of charge to research libraries and scientists in developing countries. Price to others is unknown at this time. Order "*Marine Mammals of the World: FAO Species Identification Guide*," directly from FAO Distribution and Sales, Viale Delle Terme di Caracalla, 00100 Rome, Italy. □

NOTICES & NEWS

COOK BOOK

I am planning on convening a "Cookbook" meeting sometime during Conference. Look for posting of time and place when you arrive. Would like people interested in any phase of creation/distribution/ideas.

I would appreciate receiving "sea/aquatic" recipes for IAMSLIC cookbook starting NOW. With any luck I could at least have a sample together for Hawaii. If enough people are enthusiastic (send multiple recipes) I could have something workable to show. Any type of recipe wanted: Appetizers, soups, salads, casseroles, drinks/beverages, main courses, desserts - anything I might not have listed.

So!! Dig out those family favorites, those unique dishes(alligator?), those regional specialties, beg local favorite restaurant for recipe. Only request is that there be some sort of AQUATIC ingredient, (that includes waterfowl and vegetation) - if desperate I'll take water or ice as the aquatic ingredient.

Volunteers also needed to test recipes - once typed to be sure quantities and items are correctly listed.

Would love to receive recipes by email - then we don't have to rely on my typing. If handwritten let me warn you I am not good at deciphering - my family all type or print (hand letter) letters to me. Bring recipes with you in October - disks would make for quick transfer, but cards or paper are fine.

Some colorful single paragraph descriptions of local, lab, region, special occasional activity might be good for fillers - good topic for discussion at Hawaii. See ya'll there.

Kathy Heil, Aquatic Sciences Librarian
University of Maryland., C.E.E.S.
Chesapeake Biological Lab.
Solomons, Md 20688-0038
Tel: 410/326-7287 Fax: 410/326-7302
Internet: heil@cbl.umd.edu

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VIRTUAL-REALITY EXPLORERS WILL SWIM THROUGH FOUR-DIMENSIONAL SEA

June 24, by Roger Segelken, Senior Science Writer,
Cornell University, Ithaca, N.Y.

In the not-too-distant future, computer-networked researchers and students anywhere in the world will explore Earth's largest and least understood ecosystem — the oceans — without getting their swim fins wet.

"The technology is available or in advanced stages of development, and the data are on hand or obtainable, to produce the next-generation earth sciences atlas," said Charles H. Greene, director of the Ocean Resources and Ecosystems Program at Cornell University. A specialist in remote acoustic

sensing of marine organisms, Greene said his data on distributions of animals in the oceans are typical of information in an interactive 4-dimensional earth sciences atlas (the fourth being time — past, present and future).

"Internal structure of the atmosphere and the solid earth as well as details of the ocean floor and interior will be available for analysis, visualization and modeling," Greene predicted. "A comprehensive, 4-D GIS (geographic information system) could revolutionize the way oceanic, atmospheric and solid-earth scientists work with and disseminate information about the dynamics of Earth systems."

A group of Cornell scientists are proposing to develop and operate such a 4-D GIS atlas. Among the participating programs are the Cornell Laboratory for Environmental Applications of Remote Sensing, Cornell Ocean Resources and Ecosystems, the Consortium for Continental Reflection Profiling, the Institute for the Study of the Continents and the Cornell Theory Center, with its advanced capabilities in parallel-processing supercomputing and computer visualization.

Wherever an interactive atlas is based, Greene notes, it would be accessible through high-speed computer networks. Because visual data would be in digital form, viewers could zoom in to examine details at finer and finer scales, turn their heads, so to speak, for a view from a different virtual perspective, and incorporate data into computer models. For a preview of how part of the atlas might look, Greene offers an acoustic visualization called "Dressed to Krill." It takes a penguin's eye view of shrimp-like krill as the birds hunt in Antarctic waters. Sonar data on krill distribution were gathered on-site by a Cornell graduate student, Jen Zamon, then visualized and animated at the Theory Center by an undergraduate, Bob Rosenberg.

Distribution of organisms in the oceans is one of the most important and puzzling questions, with implications for everyone from commercial fishermen to scientists who study global climate change. Greene's acoustical studies of life in the Gulf of Maine look for organisms in the food chain of large fish on the once-rich fishing area called Georges Bank. Over the years, he has found a dramatic change in the food chain: krill that consume zooplankton have virtually disappeared, and in their place appears to be predators called siphonophores. Not only are the siphonophores eliminating zooplankton that would support fish production on Georges Bank, the appearance of these gelatinous creatures, Greene notes, may be an ecological indicator of large-scale changes in the ocean circulation of the Northwest Atlantic.

This article appears courtesy of Cornell University.

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